GOVERNMENT OF INDIA
MINES
LOK SABHA

UNSTARRED QUESTION NO:3055
ANSWERED ON:15.03.2013
DEVELOPMENT OF LANDSLIDE INFORMATION SYSTEM
Rai Shri Prem Das

Will the Minister of MINES be pleased to state:

(a) whether the Government has taken any steps towards development of Landslide Information Systems based on remote sensing and Geographical Information Systems;

(b) if so, the details thereof;

(c) whether any similar technologies have been developed by any Government research laboratory; and

(d) if so, the details thereof and plans for their wider implementation?

Answer

THE MINISTER OF MINES (SHRI DINSHA PATEL)

(a): Yes, Madam. A project 'Web based National Landslide Incidence Inventory Map Service (NLIIMS)' formulated on Geographic Information System [GIS] platform has been initiated in Field Season 2012-13 (April 2012 to March 2013) by Landslide Hazard Information Management Division, Geological Survey of India, New Delhi.

(b) : GSI through its project 'Web based National Landslide Incidence Inventory Map Service (NLIIMS)' is in the process of making a national landslide inventory integrated into state-of-the-art GIS platform compatible with other geological map datasets available on GSI's Portal i.e. www.gsi.gov.in. The project aims at:

1. Compilation and updating the database/inventory of available information on landslide incidences in standard format from reports, print media and remotely sensed data sources.

2. Generation of landslide incidence map of the country, based on standardized criteria and building up a national geo-database with a tool for hazard analysis and risk management through inputs from reports and maps.

3. Development of landslide incidence map service by integration of the countrywide geological database and landslide inventory in GIS platform and made available in GSI portal.

(c) & (d) : Few other government organizations/agencies are also carrying out GIS based landslide studies. National Institute of Disaster Management (NIDM), National Remote Sensing Centre (NRSC), Indian Institute of Remote Sensing (IIRS), Central Road Research Institute (CRRI), Indian National Centre for Ocean Information Services (INCOIS) etc. are also working on landslides studies on GIS platform. National Informatics Centre [NIC] has utilized Remote sensing data for studying Sikkim landslides, 2011 in GIS platform.